

# **REPORT BY PITTSBURGH TESTING LABORATORY**

**PREVENTS RUST  
ABSORBS RUST  
STOPS RUST**



**MEYER SUPPLY CO.**  
816 S. Taylor Ave. - NEwstead 2923  
ST. LOUIS 10, MO.

## **MASTER BRONZE POWDER CO.**

5009 Calumet Avenue — Hammond, Indiana



# Here are the tests . . . . .

FORM 407

15M-4-47

## PITTSBURGH TESTING LABORATORY

ESTABLISHED 1881

PITTSBURGH, PA.

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ORDER No. CH-5815

CLIENT'S No.

LABORATORY No. 20704-404692

FILE No.

August 28, 1950

### REPORT of

Tests of  
Reported to

PAINT

Master Bronze Powder Company  
5009 Calumet Avenue  
Hammond, Indiana

Following are results of tests made on your samples marked Derusto which were submitted to us. The test panels were solvent washed and sanded after which they were dried with a clean cloth. After above treatment the panels were baked at 300° F. for 15 minutes to drive off any residual solvent.

After the above cleaning the panels were coated with one coat of the submitted sample. Derusto was applied at full body, that is with no reduction. A clean dry brush with a good edge was used to apply the film. The film was applied in such a manner as to approximately obtain a film one mil in thickness.

#### SALT SPRAY TEST RESULTS ON SCORED DERUSTO SAMPLE

This sample satisfactorily passed 224 hours of exposure to salt spray fog according to ASTM-B117-14T (Revised June, 1944) and after 300 hours of exposure showed less than 1/16" rust back on scored area.

#### ACCELERATED WEATHERING EXPOSURE

##### TEST PROCEDURE

The scored specimens were suspended on the circular rack of our National Carbon Model X1A Accelerated Weathering Unit. The unit revolved about a 60 ampere carbon arc central light source. Each specimen was subjected to a finely divided water spray once every two hours. The water supplied to the spray nozzles was directly from city main.

The exposure was based on a 22 hour day, 5 week schedule with the specimens remaining in the inoperative unit the balance of the time.

##### TEST RESULTS

The specimens were exposed for a period of 1000 hours. At the end of that time the panels were observed to have undergone the following changes.

##### DERUSTO

The scored portion of film showed very slight undercutting and the unscored portion was intact.

##### DERUSTO (Upon Rusty Panel)

The scored portion of the film showed less than 1/8" undercutting, the unscored portion of the film showed some rust blisters but was mostly intact.

Respectfully submitted,  
PITTSBURGH TESTING LABORATORY

R. C. Emmett, District Manager



# AND WHAT THEY MEAN TO YOUR CUSTOMER

DERUSTO PERFORMANCE

Tests were made on panels, coated only 1/2 to 1/3 of the normal film thickness. Think of the enormous rust protective power DERUSTO has when applied at regular thickness of approximately 2 to 3 mils.

Note: the film has not only been scratched but scored right down to the bare metal.

In spite of the unusually thin application, the extra deep scoring and the extreme corrosive action of the Salt Fog, DERUSTO has emerged entirely intact after this long period. Therefore, under normal atmospheric conditions DERUSTO will give years of protective service.

Rust back of 1/8" on unbroken film is considered normal—DERUSTO showed less than half of this normally accepted figure on the deeply scored area.

This test reproduces weather conditions in highly concentrated form. It is equivalent to brilliant sunlight at high noon during mid-summer with all its destructive ultra violet rays, alternated with periods of heavy downpour and extreme humidity.

In spite of this long period of 1,000 hours of severe punishment the panel was entirely intact—in perfect condition.

Results of final tests on completely rusted panel have shown DERUSTO's powerful rust arresting capacity.

**DERUSTO assures LASTING PROTECTION**

For further information regarding your individual rust problems and chemical resistance write to:

**MASTER BRONZE POWDER CO.**

5009 Calumet Ave.

Hammond, Indiana

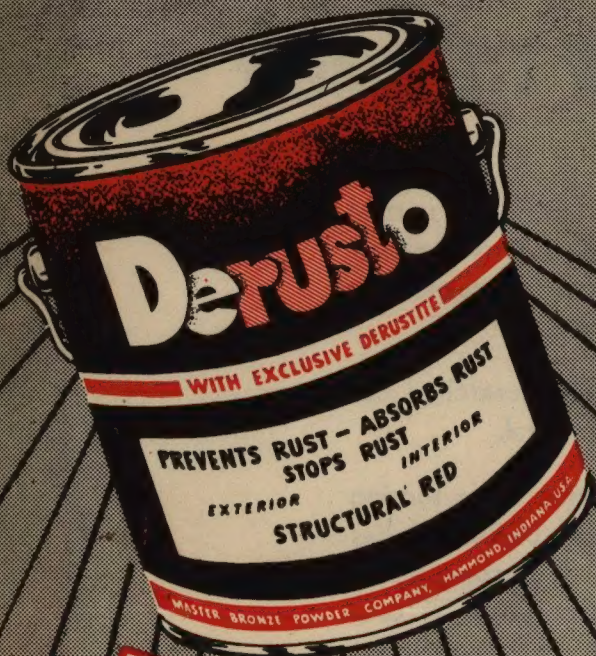
**MEYER SUPPLY CO.**

816 S. Taylor Ave. - NEwstead 2923  
ST. LOUIS 10, MO.



AVAILABLE  
IN  
STANDARD  
INDUSTRIAL  
COLORS





# DERUSTO

**NOW BEING USED  
IN ALL MAJOR  
AREAS OF THE  
UNITED STATES**



**DISTRIBUTORS!**

We invite your inquiries

**WRITE TO**

EXCLUSIVE AGENTS  
**MEYER SUPPLY CO.**

St. Louis, Mo.

## **MASTER BRONZE POWDER CO.**

5009 Calumet Avenue — Hammond, Indiana



Tested by  
**PITTSBURGH TESTING LABORATORIES**  
Here's proof that DERUSTO

**PREVENTS RUST  
ABSORBS RUST  
STOPS RUST**

**TEST 1**

In the Salt Spray Fog Test according to ASTM-B117-44T (revised June, 1944) DERUSTO was tested on panels coated with only 1/2 of the normal material application. After a 224 hour cycle DERUSTO was found to be completely intact—even on areas scored to the bare metal. (This test is frequently required by many governmental agencies.)

**TEST 2**

During the Accelerated Weathering Exposure Test, DERUSTO was exposed for a period of 1000 hours to highly concentrated weather conditions, simulating high-noon midsummer heat with its destructive ultra violet rays, alternated by heavy downpour and extreme humidity. DERUSTO emerged in perfect condition.

**TEST 3**

A completely rusted panel that had been coated with only 1/2 of the normal application was subjected to the same exhaustive test. The result showed DERUSTO's powerful rust arresting capacity.

The results of these tests, conducted over a period of many months by the Pittsburgh Testing Laboratories, show conclusively that DERUSTO GIVES LASTING PROTECTION.

DERUSTO is an outstanding achievement, designed for a specific purpose and tested to prove its high standards—another demonstration of Master Bronze Powder Company's quality policy.

Distributed by

**MEYER SUPPLY CO.**  
816 S. Taylor Ave. - NEwstead 2923  
ST. LOUIS 10, MO.



Ordinary paint over  
rusted area will  
break and allow rust  
to spread further

Derusto penetrates  
and combines with  
rust. Stops deteriora-  
tion and corrosion at  
its source

**DERUSTO PROTECTS**

**INDUSTRIAL INSTALLATIONS**

Buildings, metal roofs, oil and water tanks, conveyors, car tops, elevator cages, fences, fire escapes, gutters and down spouts, lamp posts, metal doors, machinery, pipe lines, steel towers, smoke stacks, structural steel . . . all need Derusto for protection from rust and corrosive elements. Derusto stops deterioration . . . reduces maintenance costs . . . assures longer life of valuable machinery and property.

**DERUSTO PROTECTS**

**AGRICULTURAL EQUIPMENT**

Usually subject to the most severe exposure to moisture and weather, farm equipment in particular needs Derusto. For metal silos, grain elevators, tractors, windmills, fences and all farm machinery there's nothing better than Derusto for stopping corrosion and reducing costly repairs.

**DERUSTO PROTECTS**

**STATE & CIVIC FACILITIES**

Protection with Derusto means long life for public buildings and installations. Its durable finish and easy application make it the ideal primer or finish coat for all metal equipment.

**DERUSTO PROTECTS**

**AROUND THE HOME**

There are countless uses for Derusto around the home. Steel sashes, fences, steel posts, plumbing, gutters, down spouts and metal roofs — all need Derusto to protect them from the weather. Derusto reduces maintenance bills and protects property from deterioration.

**DERUSTO PROTECTS**

Marine equipment, dredges, derricks, railroad cars, tanks, fire hydrants and all other places that need extra protection against severe exposure to the elements.

Derusto — a product of Master Bronze Powder Company's vast experience with metal paints.

# Derusto

**PREVENTS RUST  
ABSORBS RUST  
STOPS RUST**

**EXTERIOR**

**INTERIOR**

**FOR ALL NEW AND RUSTED METAL**

MANUFACTURED BY  
**MASTER BRONZE POWDER CO.**  
HAMMOND, INDIANA, U.S.A.





## WITH EXCLUSIVE DERUSTITE PREVENTS RUST — ABSORBS RUST STOPS RUST

For all New and Rusted Metal

More than a paint . . . more than a primer . . . Derusto prevents rust . . . stops rust and absorbs existing rust. No longer need your property deteriorate year by year through the destroying ravages of rust. Using a sensational scientific development, Derusto proves that rust can be prevented . . . rust can be stopped. Ordinary paint will not do it . . . but Derusto will! Derusto penetrates through the rust . . . stops deterioration and corrosion at the source.

### AN OUTSTANDING SCIENTIFIC DEVELOPMENT

Derusto contains tung oil, high grade pigments and exclusive Derustite—a scientifically formulated and balanced combination of  $ZnCrO_4$  with specially selected, water-resistant synthetic resins—laboratory tested.

### A PROVEN PRODUCT

Derusto has undergone the most stringent tests. It will withstand corrosive fumes and alkali solutions. Derusto has passed the government hot and cold water test, salt spray test and salt water immersion test. After thorough drying it will withstand gasoline. Derusto is tough . . . durable . . . gives long lasting protection.

### VERSATILE AND ECONOMICAL

Derusto goes a long way. One gallon will cover 600 to 800 square feet and one coat is usually sufficient, though two coats are recommended for extremely rusty surfaces. Derusto is the perfect primer or finish coat for all exterior or interior areas. It is unsurpassed for all metal surfaces.

### DERUSTO GOES FURTHER

Derusto is simple to use. Flows easily . . . Derusto covers an average of 40% more area per gallon than conventional paints and it lasts considerably longer. This means **LOWER ORIGINAL COST** and **LOWER MAINTENANCE COST**.



### A DURABLE PRIMER

Derusto penetrates into seams and crevices that cannot be reached by any cleaning tool. No mere surface coating, Derusto actually combines with rust and absorbs it. It seals the unoxidized surfaces from moisture and prevents new rust from forming. Derusto is a tough, durable, yet a flexible well bonded coating that provides a perfect surface for any finish coat, with the exception of lacquer base materials.

### COLORS

Derusto permanent colors are Structural Red, Industrial Green and Maintenance Gray. Also available in Black and Clear\*. Special colors on request. It can be used either as a primer or as a finish coat. Derusto can be applied by brushing, spraying or dipping. It dries to touch in 2 hours . . . is ready for a second coat in 18 to 20 hours. (Derusto Clear may be recoated after a minimum of 12 hours drying time.)

\*Derusto Clear does not contain  $ZnCrO_4$

### THINNING

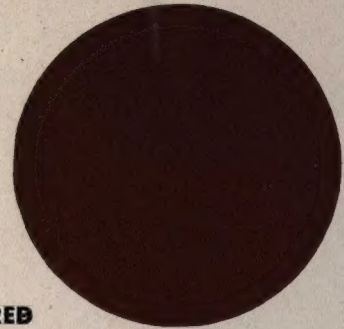
When brushing, thinner should not be used unless absolutely necessary. For best results and to obtain proper spraying or dipping consistency, use DERUSTO THINOIL No. 711. (In emergency turpentine may be used.)

### CAUTION

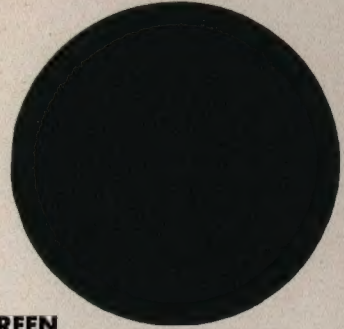
Do not add linseed or other extending oils for thinning.

## Derusto PERMANENT COLORS

### STRUCTURAL RED



### INDUSTRIAL GREEN



### MAINTENANCE GRAY



Also available in **BLACK** and **CLEAR**. Special colors on request.



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